



PRODUCT BROCHURE

# Open Networking

For Service Providers



Open Networking solutions are based on open standard, bare-metal hardware with a choice of open software for Software-Defined Networking, virtualization, and cloud orchestration. It was first adopted by hyperscalers to avail of the centralized network management, CapEx and OpEx savings, but mainstream adoption is accelerating as customer motivations are stronger and the barriers to entry are lower.

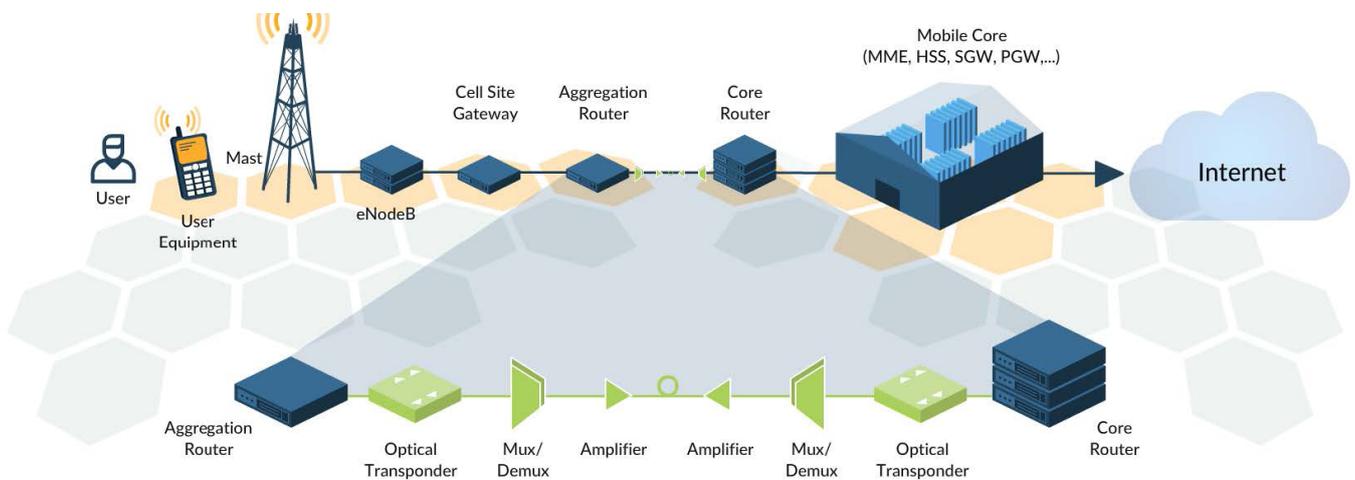
EPS Global sits at the center of the open networking ecosystem, bringing together the hardware and open NOS software to provide turnkey solutions for any use case, delivering value and expertise to your business. Our engineers can advise you on the best product set to suit your business needs, offering software configuration and bundling of solutions for hassle-free, consolidated shipments.

We have local language and currency support in each of our 28 locations, and we provide stock availability from our regional distribution hubs worldwide, minimizing lead times.

## Introduction

Network disaggregation, the pillar of hyperscale data centers, is now a reality for Service Providers who are embracing SDN and open hardware to achieve their goals as it addresses some of fundamental problems within this domain where typically the networks have been built over decades using a multitude of different and complex proprietary equipment.

AT&T, Deutsche Telecom, Verizon, Telefonica, NTT and other Tier 1s are already well on their way to network disaggregation. Now Tier 2 and 3 ISPs and Service providers are turning to open networking to reap the benefits of the solid foundations that have been laid by the backbone providers.



## Open Networking Operating Software\*



\*This is not an exhaustive list.



Our engineers offer pre-sales technical advice, connecting you with the right software vendor for your application, and will configure the hardware, supporting you through your implementation to ensure it is a success.

## Edgecore



Edgecore Networks delivers wired and wireless networking products and solutions from the edge to the core through channel partners and system integrators worldwide for the Data Center, Service Provider, Enterprise and SMB customers.



### Bare-Metal Switches

Edgecore offers high performance bare-metal data center switches for Top-of-Rack and Spine Network deployment, Flatter & scalable topologies, non-blocking fabric. Edgecore 100GbE data center switch is the industry first switch accepted by OCP



### Aggregation Routers

Edgecore's solution based on Broadcom StrataDNX family chipsets with Deep Buffer design, providing a white-box platform that serves a variety of use cases, including core, metro, and aggregation routers.



### Cell Site Gateway

The Edgecore AS7316-26XB is an open design cell site gateway platform that provides a combination of 1/10 Gbps, 25 Gbps, and 100 Gbps interfaces, utilizing merchant silicon and an x86 processor with optimized performance for service provider access and aggregation networks.



### Cassini - Packet Transponder

The Cassini packet transponder enables network operators to easily extend and migrate existing metro and longhaul Dense Wavelength Division Multiplexing (DWDM) networks to add new 100G capacities and extend interdatacenter and Layer 3 services.



### Core Routers

Edgecore's AS7926-40XKFB is a high performance 100GbE disaggregated router designed with Broadcom StrataDNX Jericho2 silicon and consists of fixed 40x 100G QSFP28 Network Interfaces (NIF) plus 13x 400G QSFP-DD Fabric Interfaces (FIF) in a 2RU form factor.



### Optical Line Terminals - OLT

Edgecore disaggregated 10G PON OLT is the industry's first whitebox OLT that will enable service providers to deploy 10G PON services from Central Office Re-architected as a Datacenter (CORD) infrastructures, and support open source SDN and NFV software, including OCP-ACCEPTED leaf/spine switches, Ethernet edge switches, as well as residential and business-service delivery.

## ufiSpace



UfiSpace provides end-to-end 5G networking solutions for telecommunication companies, cloud service providers and data centers. Their passion and dedication towards customer service and engineering excellence has brought UfiSpace to the forefront of 5G technology innovation. Their mission is to provide customers with technologically enhanced solutions boost the development of their 5G services.

### Datacenter

### Telco



**400G Cloud and DC Switch S9310-32D**  
32x 400G QSFP-DD; 6x 10G SFP+



**100G Cloud and DC Switch S9180-32X**  
32x 100G QSFP28 & 2x 10G SFP+ Ports



**Access & Aggregation S9500-30XS**  
30-Port, 10/25/100G DCSG



**Core & Edge S9700-53DX**  
100G Disaggregated Core and Edge Router

## Radisys



The RLT series of OLTs are based on the industry-standard open architecture supporting GPON and XGS-PON with software based on the VOLTHA/SEBA reference architecture. The architecture brings in data-center driven cost efficiencies as a compact fixed-form factor solution with high port densities. This helps simplify deployments and reduce operating expenses.



**RLT-3200G**  
160Gbps switching capacity; 32x SFP based GPON interfaces in 2RU height



**RLT-1600G**  
160Gbps switching capacity; 16x SFP based GPON interfaces in 1RU height



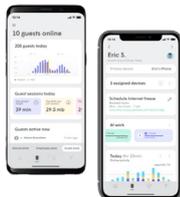
**RLT-1600X**  
300Gbps switching capacity; 16x SFP+ based Any-PON interfaces in 1RU height.

## Plume



Plume enables Communications Service Providers (CSPs) to deliver unparalleled, proactive support and services from a cloud-based platform for greater adaptability.

Plume enables the rapid delivery of new services for connected homes, small businesses, and beyond at massive scale. On the front end, Plume delivers selfoptimizing WiFi, cyber-security, access controls, and more.



### WorkPass

Offer the first truly intelligent network solution designed especially for small businesses.

- Intuitive self-install eliminates the need for technician scheduling
- Instant feature access provides unparalleled control Easy onboarding and support for multiple admins
- Customization of everything from feature availability and logo, to privacy and support
- Automatic identification and labeling of all connected devices
- Available in multiple languages



### HomePass

Deliver Smart Home Services built on superior self optimizing

- WiFi technology. Customized for you from feature availability, logo, privacy, support, and contact information
- Hardware is discovered over Bluetooth so the system is up and running in minutes.
- Intuitive self-install feature has a >95% success rate, which eliminates the need for technician costs and scheduling
- Advanced, automatic identification of devices in the home, complete with icons and names.
- Available in multiple languages to suit your customer base



## L2+ and Industrial Switches

High-performance Gigabit Ethernet Layer 2+ managed switches with 24/20 Gbps switching capacity. Deliver wirespeed switching performance on all Gigabit ports. Features include: Continuous Availability; Enhanced Security; Service Monitoring and Management.



## Micro OLT

The Tibit MicroPlug Modules are keypieces of technology in the design of a next generation OLT. Tibit OLT modules can be used to create higher density or more flexible versions of today's integrated solutions.

Additionally, the Tibit OLT module can be used to create forward looking Virtual or Distributed OLT system solutions.



## CWDM Mux/Demux

18 channel Dual Fiber CWDM MUX/ DEMUX, 1U Rack Mount design for CWDM wavelengths (CWMD-180) and standalone CWDM Mux/DeMux (CWMD-40/80), designed for wavelengths from 1271nm to 1611nm.



## ONT/ONU

CTS' FWR5 series is tailor made for ISPs, Telcos and Regional Operators. It is designed with such powerful features that it optimizes the services that service providers or operators want to provide. From simple Internet access all the way to triple play service, this device can meet your requirements.



## CPE's and Modems

Universal Customer Premise Equipment (uCPE) utilizes standard Intel®x86 architecture for openness and flexibility. The platform supports compatible NFVI or third-party VNFs that enable service providers to deliver innovative services with agility and scalability.



## Bare-Metal Servers

We supply a wide range of fully customisable servers from Lanner and Supermicro allowing you to configure your server to ensure you have the adequate memory, storage, ports, chipset and CPU required for your project.



## EDD/NID

2x GbE/RJ45 + 2x 1G/2.5G, RJ45 + 2x 10G/SFP+ L2+ Carrier Ethernet Switch with SyncE; 4x GbE/RJ45 + 4x 1G/SFP L2+ Carrier Ethernet Switch (NID).



## Fiber Media Converter

Gigabit Ethernet 10/100/1000Base-T to 100/1000Base-X non-managed stand-alone media converters, which give you the fiber cabling connectors, LC with SFP module.



## Aggregation and Core Routers

Edgecore has been working closely with leading service providers worldwide, and with the OCP, ONF and TIP communities to offer disaggregated hardware products that enable open network deployments for broadband access, edge computing, mobile backhaul, and edge switching use cases.



## Wireless

Edgecore provides a range of access points that come preinstalled with TIP's Open AP software that offers users an open platform for further customisation. From Enterprise to MDUs to larger venues, network administrators can virtually segment the network between employees and visitors using just one set of equipment.



## Open Line Systems

SmartOptics DCP-M and M-Series are truly open line systems. They work with any combination of embedded DWDM, transponder and muxponder traffic depending on the specific needs of the network.



## PoE Bare-Metal Switches

Edgecore PoE Bare-Metal Switches support the broadest set of commercial and open source software choices in the industry, providing customers with alternatives to meet their specific requirements.

## Optical Transceivers and Cables



### SFP

Copper and optical; longwave, shortwave and WDM SFP's transceivers designed for applications using Fast Ethernet, Gigabit Ethernet, 1x/2x/4x Fibre Channel (Datacom), and OC-3/STM-1, OC-12/STM-4, OC-48/STM-16, EPON/GPON and Wireless/CPRI across all reaches (Telecom).



### SFP+/SFP28/SFP56

Optical; longwave, shortwave, DWDM and tunable SFP+, SFP28, and SFP56 transceivers designed for applications using 10G, 25G, and 50G Ethernet and 2x/4x/8x/10x/16x/32x Fibre Channel (Datacom), and OC-192/STM-64, 10G Ethernet, or Wireless/CPRI (Telecom).



### CFP/CFP2/CFP4

Optical; longwave and shortwave CFP, CFP2, CFP4 transceivers designed for applications using 100G Ethernet (Datacom), and using OTU4 (Telecom).



### QSFP+/QSFP28/QSFP56

Optical; longwave and shortwave QSFP+, QSFP28, and QSFP56 transceivers designed for applications using 40G, 100G, and 200G Ethernet and high-density 10G, 25G 50G Ethernet (Datacom), and applications using OTU3 and OTU4 (Telecom).



### Active Optical Cables

II-VI's AOCs accelerate storage, data, and high-performance computing connectivity. Their product line includes the SFPwire AOC for 10/25GbE, Quadwire AOC for 40/100GbE, InfiniBand QDR/FDR/EDR, SAS3 and PCIe3, and C.wire AOC for 100GbE and beyond..



### Cable Assemblies

SFP+, SFP28, QSFP+, QSFP28 cable assemblies enable data transfer speeds of 10G, 25G, 40G and 100G at reaches of up to 5 meters. Ultrahigh performance and a cost effective solution for applications in switched fabric I/O, switches, routers, data storage arrays, and high performance computer (HPC) clusters.



If there's something you need that is not listed here, let us know and we'll see what we can do to help.



Check our blog at [www.epsglobal.com/blog](http://www.epsglobal.com/blog) for articles on Open Networking, product reviews and videos.



### Global Reach, Local Presence

We have offices in 28 cities in 16 countries - giving you access to a global supply supported by a local team. Local language & currency support in each region.



### Stock Availability

EPS Global stocks all the hardware you need: switches, optics, and cables in our regional distribution hubs worldwide, allowing us to minimize lead and transit times for our customers.



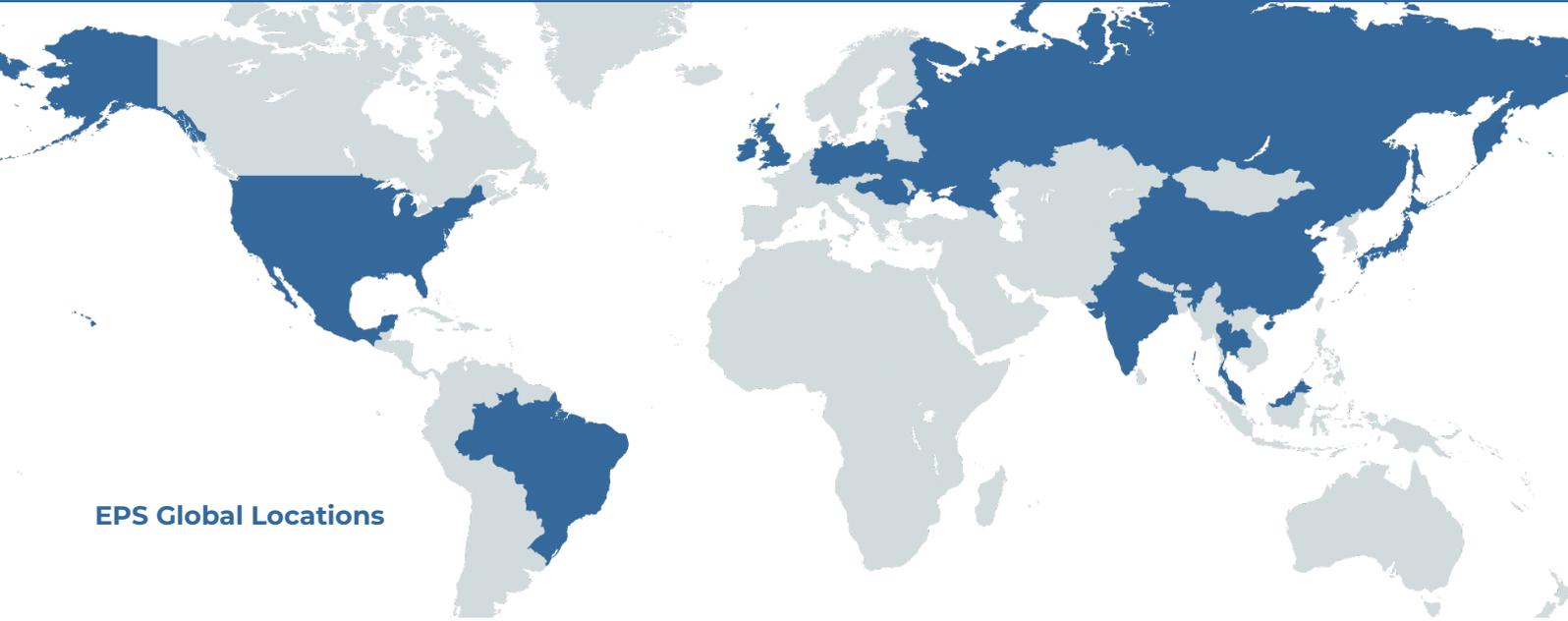
### Presales Support Team

Our engineers offer pre-sales technical advice, connecting you with the right software vendor for your application, and will configure the hardware, supporting you through your implementation to ensure it is a success.



### Authorized Distribution

Peace of mind. EPS Global has franchised distribution agreements with its suppliers, ensuring traceability, genuine products, and the best tech support. Need something else? We can source products for you.



**EPS Global Locations**



**Dave Unger**  
INTERVISION SYSTEMS

*“No one knows all of the players in the open networking space the way EPS does, they make it really simple by gathering all the parts together. EPS just help me make my customers fantastically thrilled with the service I provide.”*



**Kala Wong**  
CANCOM

*“The knowledge base, the availability, the engagement - it never feels like I’m being sold to, it always feels like I’m being guided through a problem to be solved so that’s why I would absolutely recommend EPS to anybody.”*



**Carlos Montes**  
BLUE CHIP TEK

*“The level of service that we’re getting from working with EPS has been tremendous. At the end of the day we have happy customers, and we’re happy - and EPS makes it happen.”*

**Contact  
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